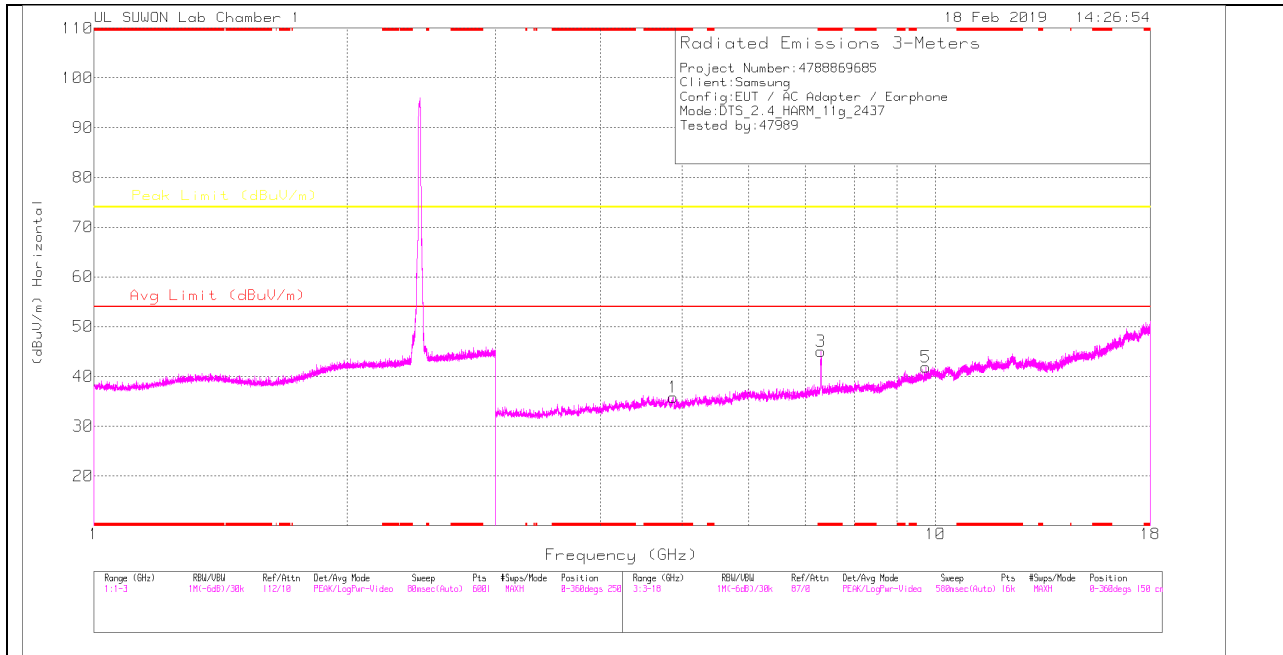
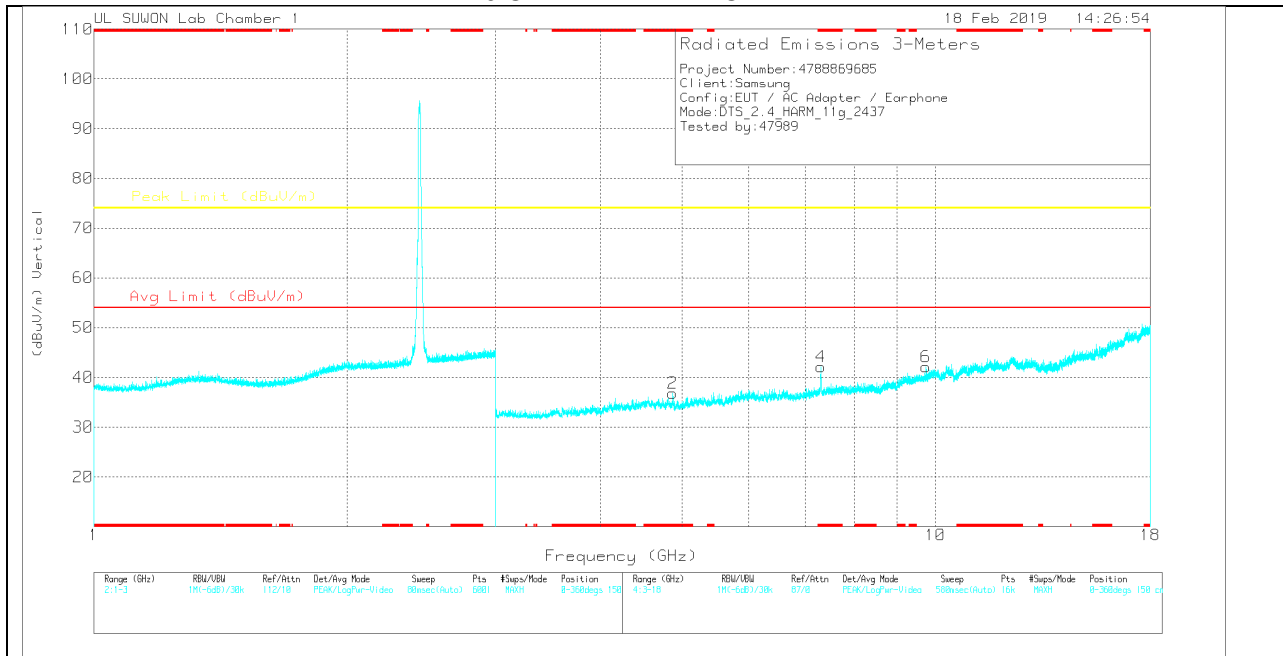


6 CHANNEL HORIZONTAL



6 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

6 CHANNEL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1 | * 4.876 | 33.12 | PK | 34.2 | -31.5 | 0 | 35.82 | - | - | 74 | -38.18 | 0-360 | 150 | H |
| 3 | * 7.309 | 36.61 | PK | 35.8 | -27.4 | 0 | 45.01 | - | - | 74 | -28.99 | 0-360 | 250 | H |
| 5 | 9.748 | 28.62 | PK | 37.2 | -23.9 | 0 | 41.92 | - | - | 74 | -32.08 | 0-360 | 250 | H |
| 2 | * 4.874 | 34.17 | PK | 34.2 | -31.5 | 0 | 36.87 | - | - | 74 | -37.13 | 0-360 | 150 | V |
| 4 | * 7.309 | 33.77 | PK | 35.8 | -27.4 | 0 | 42.17 | - | - | 74 | -31.83 | 0-360 | 150 | V |
| 6 | 9.748 | 28.89 | PK | 37.2 | -23.9 | 0 | 42.19 | - | - | 74 | -31.81 | 0-360 | 250 | V |

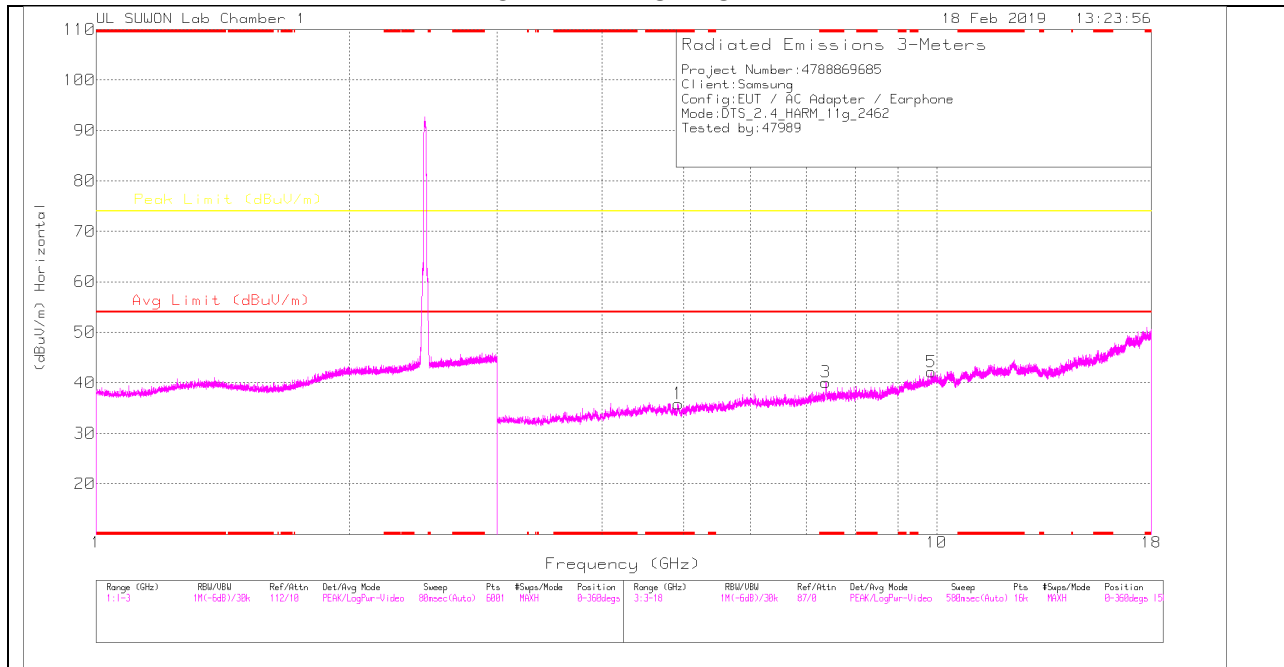
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

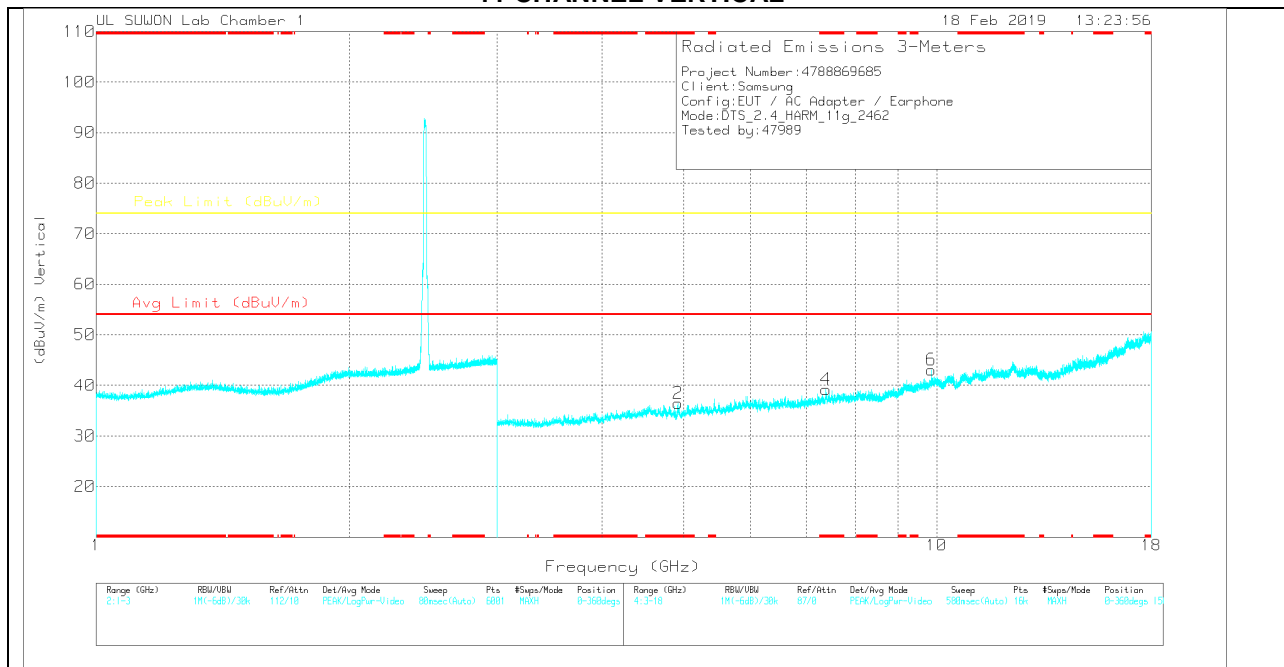
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|---------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 7.314 | 48.81 | PK2 | 35.8 | -27.4 | 0 | 57.21 | - | - | 74 | -16.79 | 167 | 100 | H |
| * 7.31 | 35.44 | MAv1 | 35.8 | -27.4 | .2 | 44.04 | 54 | -9.96 | - | - | 167 | 100 | H |
| * 7.314 | 43.83 | PK2 | 35.8 | -27.4 | 0 | 52.23 | - | - | 74 | -21.77 | 138 | 227 | V |
| * 7.31 | 30.95 | MAv1 | 35.8 | -27.4 | .2 | 39.55 | 54 | -14.45 | - | - | 138 | 227 | V |
| 9.748 | 37.94 | PK2 | 37.2 | -23.9 | 0 | 51.24 | - | - | 74 | -22.76 | 114 | 109 | H |
| 9.748 | 36 | PK2 | 37.2 | -23.9 | 0 | 49.3 | - | - | 74 | -24.7 | 72 | 106 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

11 CHANNEL HORIZONTAL



11 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

11 CHANNEL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1 | * 4.927 | 33.26 | PK | 34.2 | -31.6 | 0 | 35.86 | - | - | 74 | -38.14 | 0-360 | 250 | H |
| 3 | * 7.38 | 31.31 | PK | 35.8 | -27 | 0 | 40.11 | - | - | 74 | -33.89 | 0-360 | 150 | H |
| 5 | 9.848 | 27.96 | PK | 37.4 | -23.2 | 0 | 42.16 | - | - | 74 | -31.84 | 0-360 | 250 | H |
| 2 | * 4.926 | 33.76 | PK | 34.2 | -31.5 | 0 | 36.46 | - | - | 74 | -37.54 | 0-360 | 250 | V |
| 4 | * 7.384 | 30.4 | PK | 35.8 | -27 | 0 | 39.2 | - | - | 74 | -34.8 | 0-360 | 150 | V |
| 6 | 9.848 | 28.88 | PK | 37.4 | -23.2 | 0 | 43.08 | - | - | 74 | -30.92 | 0-360 | 250 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

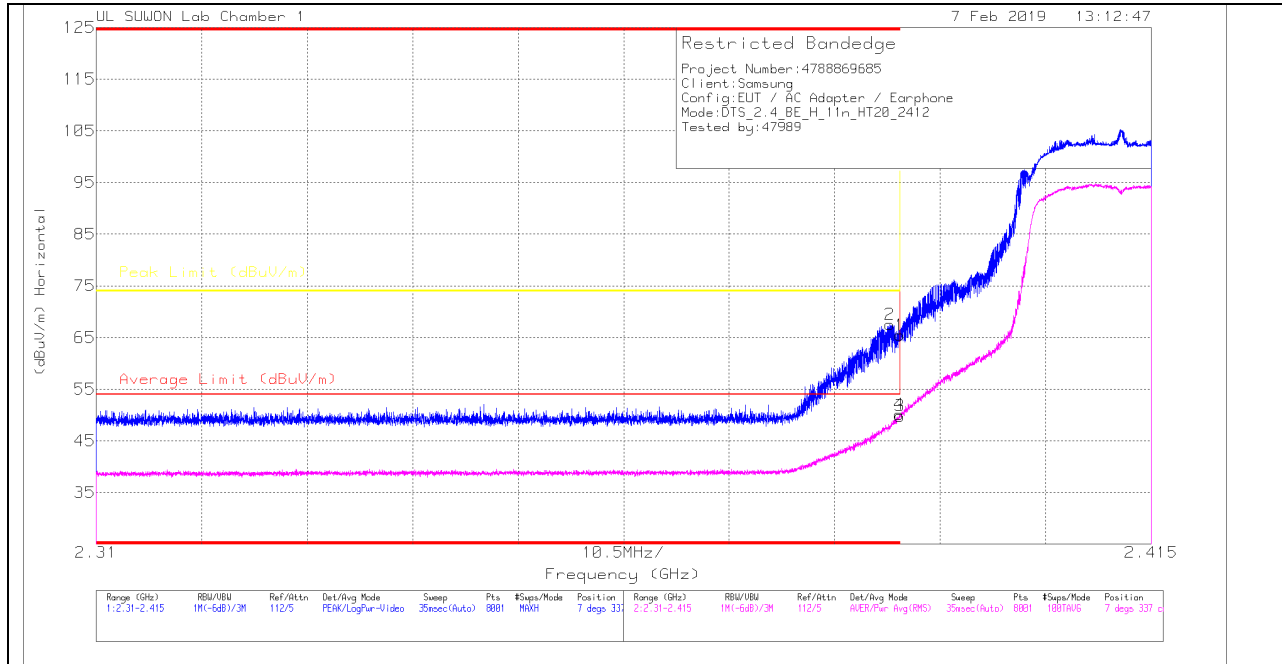
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|---------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 7.388 | 44.77 | PK2 | 35.8 | -27 | 0 | 53.57 | - | - | 74 | -20.43 | 163 | 106 | H |
| * 7.385 | 31.3 | MAv1 | 35.8 | -27 | .2 | 40.3 | 54 | -13.7 | - | - | 163 | 106 | H |
| * 7.378 | 41.35 | PK2 | 35.8 | -27 | 0 | 50.15 | - | - | 74 | -23.85 | 123 | 129 | V |
| * 7.385 | 27.78 | MAv1 | 35.8 | -27 | .2 | 36.78 | 54 | -17.22 | - | - | 123 | 129 | V |
| 9.848 | 37.26 | PK2 | 37.4 | -23.2 | 0 | 51.46 | - | - | 74 | -22.54 | 112 | 106 | H |
| 9.848 | 36.02 | PK2 | 37.4 | -23.3 | 0 | 50.12 | - | - | 74 | -23.88 | 106 | 123 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

11.2.3.TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 2.4 GHz BAND

RESTRICTED BANDEDGE (1 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

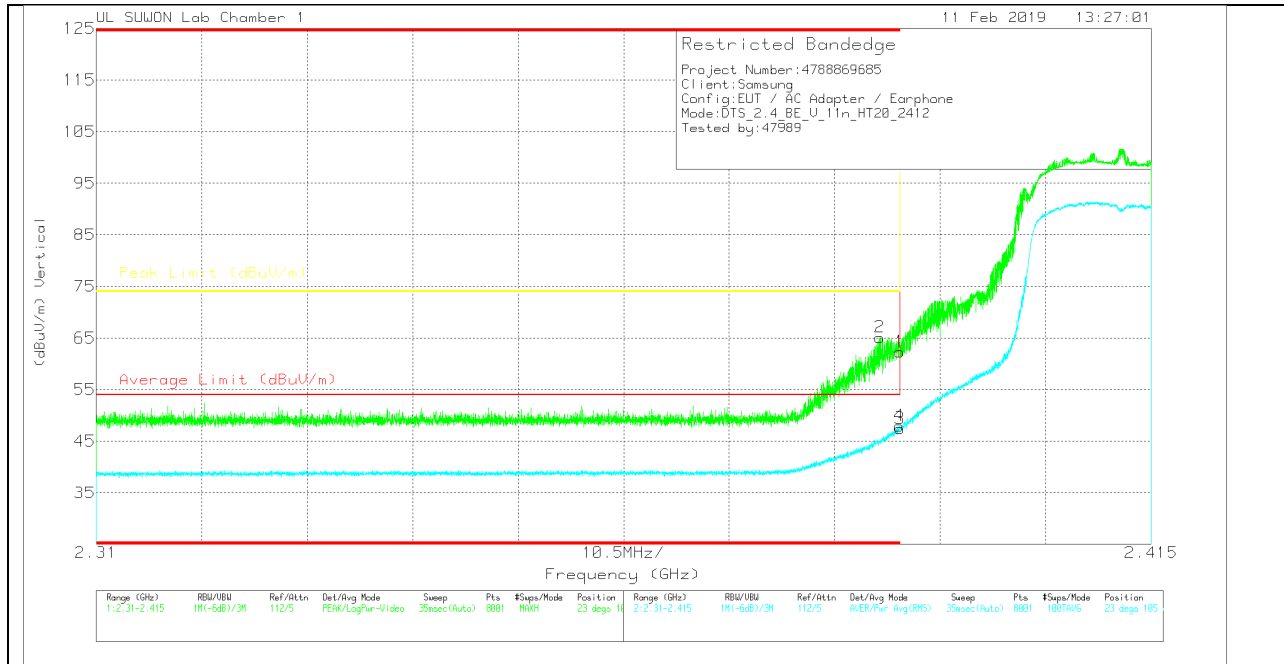
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.39 | 59.25 | Pk | 31.7 | -25.5 | 0 | 65.45 | - | - | 74 | -8.55 | 7 | 337 | H |
| 2 | * 2.389 | 61.3 | Pk | 31.7 | -25.5 | 0 | 67.5 | - | - | 74 | -6.5 | 7 | 337 | H |
| 3 | * 2.39 | 43.45 | RMS | 31.7 | -25.5 | .17 | 49.82 | 54 | -4.18 | - | - | 7 | 337 | H |
| 4 | * 2.39 | 43.74 | RMS | 31.7 | -25.5 | .17 | 50.11 | 54 | -3.89 | - | - | 7 | 337 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.39 | 56.14 | Pk | | 31.7 | -25.5 | 0 | 62.34 | - | 74 | -11.66 | 23 | 105 | V |
| 2 | * 2.388 | 58.95 | Pk | | 31.7 | -25.5 | 0 | 65.15 | - | 74 | -8.85 | 23 | 105 | V |
| 3 | * 2.39 | 41.09 | RMS | | 31.7 | -25.5 | .17 | 47.46 | 54 | -6.54 | - | 23 | 105 | V |
| 4 | * 2.39 | 41.62 | RMS | | 31.7 | -25.5 | .17 | 47.99 | 54 | -6.01 | - | 23 | 105 | V |

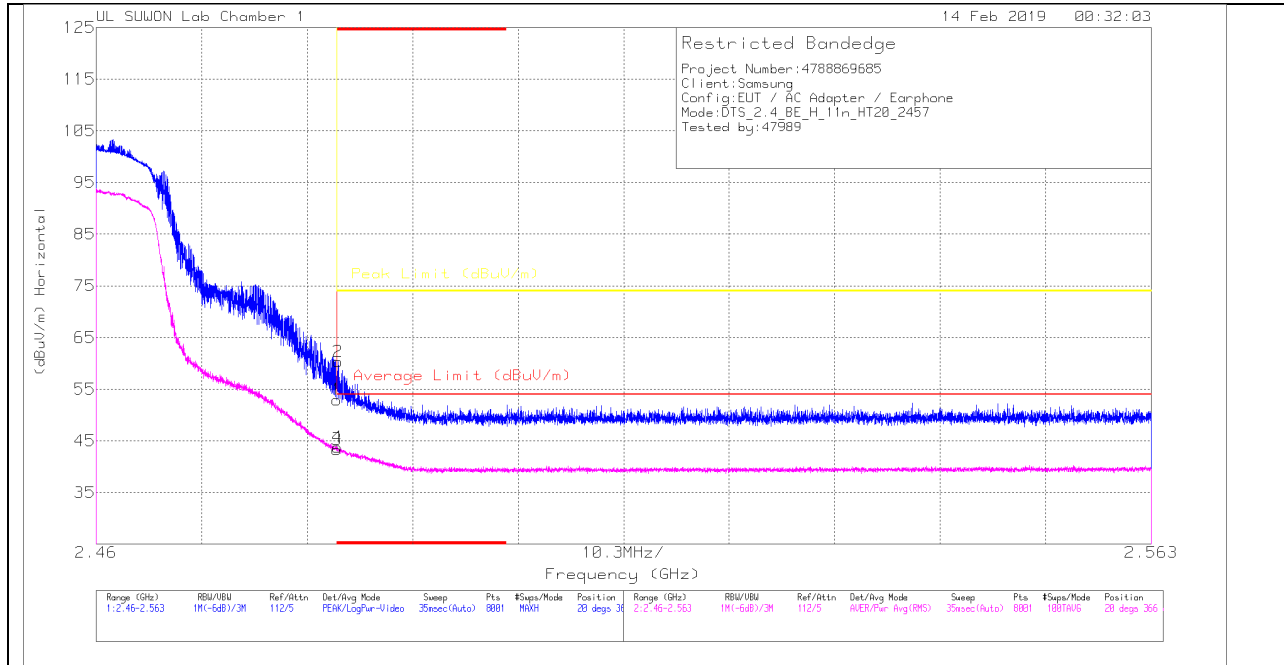
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (10 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

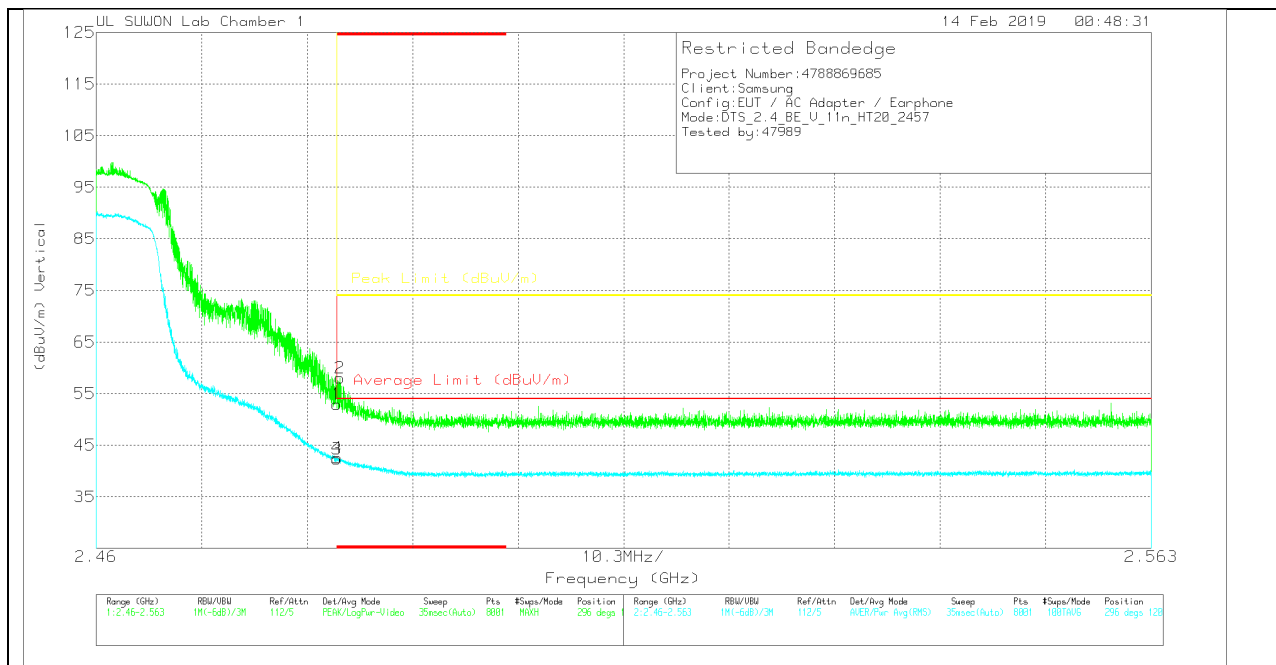
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 46.37 | Pk | 31.9 | -25.3 | 0 | 52.97 | - | - | 74 | -21.03 | 20 | 366 | H |
| 2 | * 2.484 | 53.74 | Pk | 31.9 | -25.3 | 0 | 60.34 | - | - | 74 | -13.66 | 20 | 366 | H |
| 3 | * 2.484 | 36.55 | RMS | 31.9 | -25.3 | .17 | 43.32 | 54 | -10.68 | - | - | 20 | 366 | H |
| 4 | * 2.484 | 37.03 | RMS | 31.9 | -25.3 | .17 | 43.8 | 54 | -10.2 | - | - | 20 | 366 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 46.36 | Pk | 31.9 | -25.3 | 0 | 52.96 | - | - | 74 | -21.04 | 296 | 120 | V |
| 2 | * 2.484 | 51.42 | Pk | 31.9 | -25.3 | 0 | 58.02 | - | - | 74 | -15.98 | 296 | 120 | V |
| 3 | * 2.484 | 35.55 | RMS | 31.9 | -25.3 | .17 | 42.32 | 54 | -11.68 | - | - | 296 | 120 | V |
| 4 | * 2.484 | 35.78 | RMS | 31.9 | -25.3 | .17 | 42.55 | 54 | -11.45 | - | - | 296 | 120 | V |

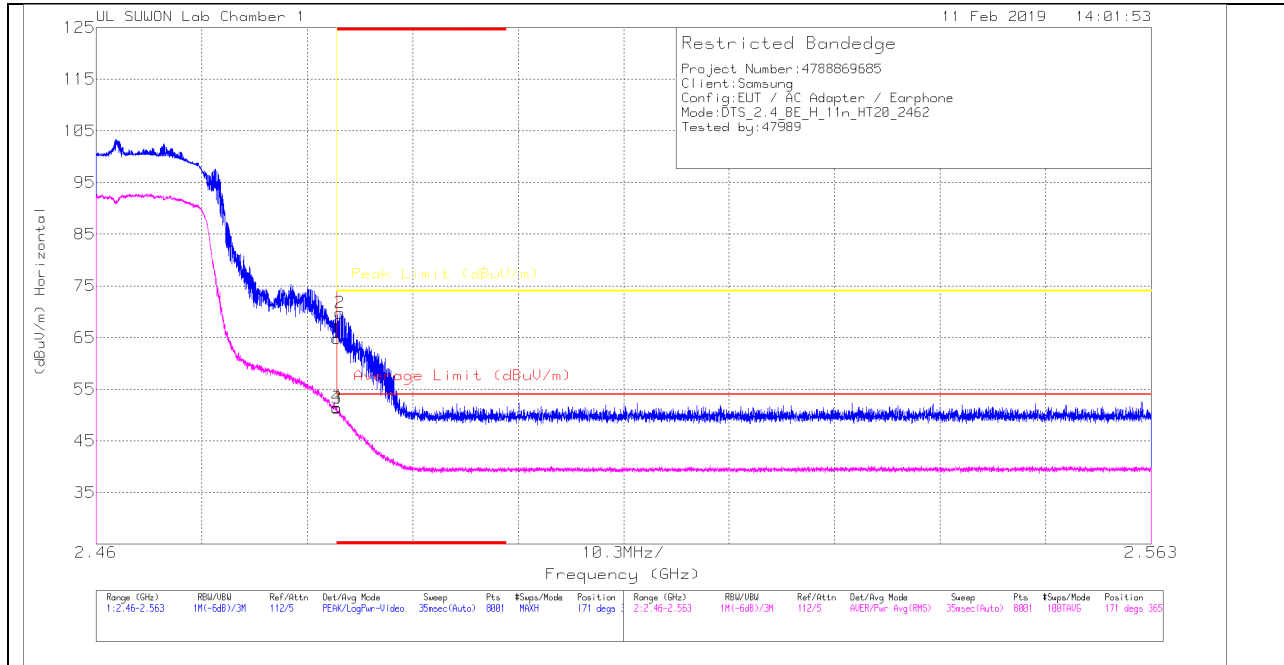
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (11 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

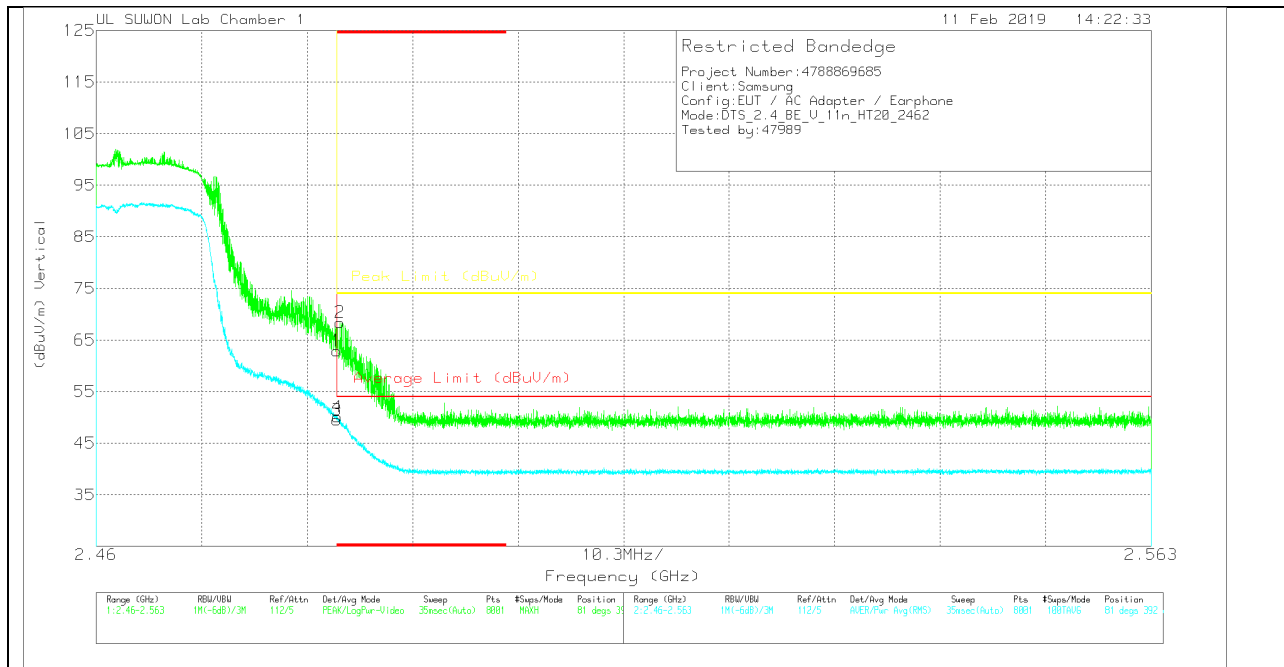
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 58.26 | Pk | 31.9 | -25.3 | 0 | 64.86 | - | - | 74 | -9.14 | 171 | 365 | H |
| 2 | * 2.484 | 63.2 | Pk | 31.9 | -25.3 | 0 | 69.8 | - | - | 74 | -4.2 | 171 | 365 | H |
| 3 | * 2.484 | 44.6 | RMS | 31.9 | -25.3 | .17 | 51.37 | 54 | -2.63 | - | - | 171 | 365 | H |
| 4 | * 2.484 | 44.73 | RMS | 31.9 | -25.3 | .17 | 51.5 | 54 | -2.5 | - | - | 171 | 365 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 56.35 | Pk | 31.9 | -25.3 | 0 | 62.95 | - | - | 74 | -11.05 | 81 | 392 | V |
| 2 | * 2.484 | 61.8 | Pk | 31.9 | -25.3 | 0 | 68.4 | - | - | 74 | -5.6 | 81 | 392 | V |
| 3 | * 2.484 | 42.73 | RMS | 31.9 | -25.3 | .17 | 49.5 | 54 | -4.5 | - | - | 81 | 392 | V |
| 4 | * 2.484 | 43.36 | RMS | 31.9 | -25.3 | .17 | 50.13 | 54 | -3.87 | - | - | 81 | 392 | V |

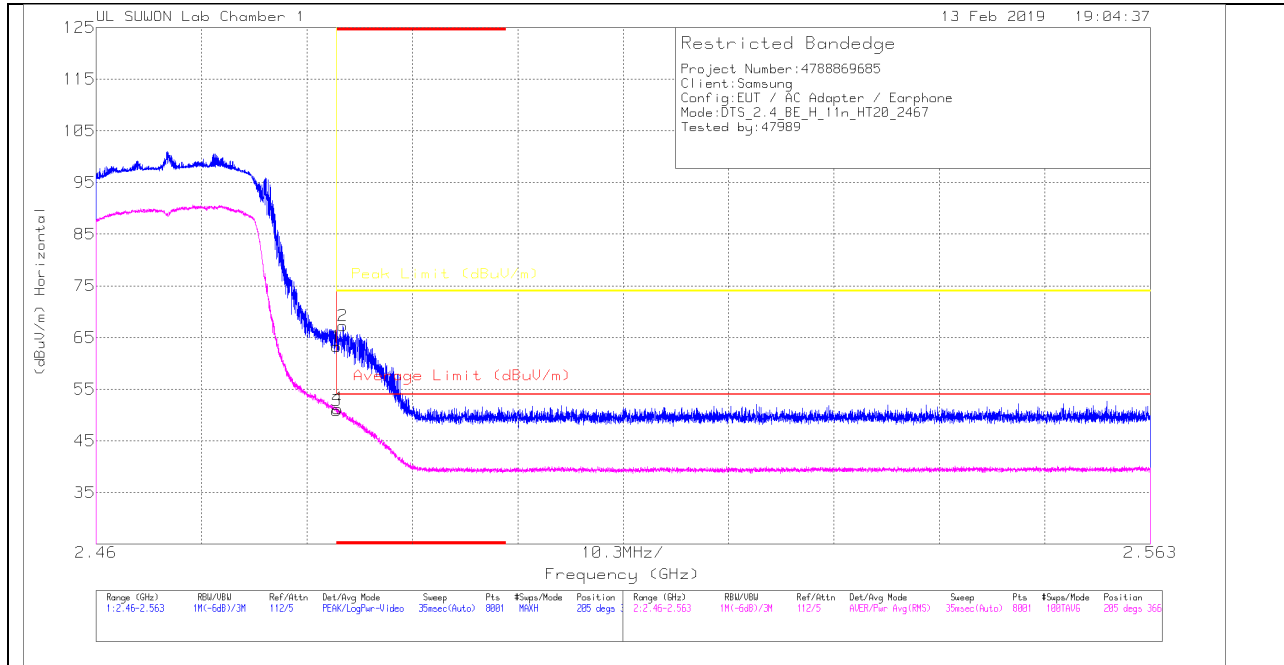
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (12 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

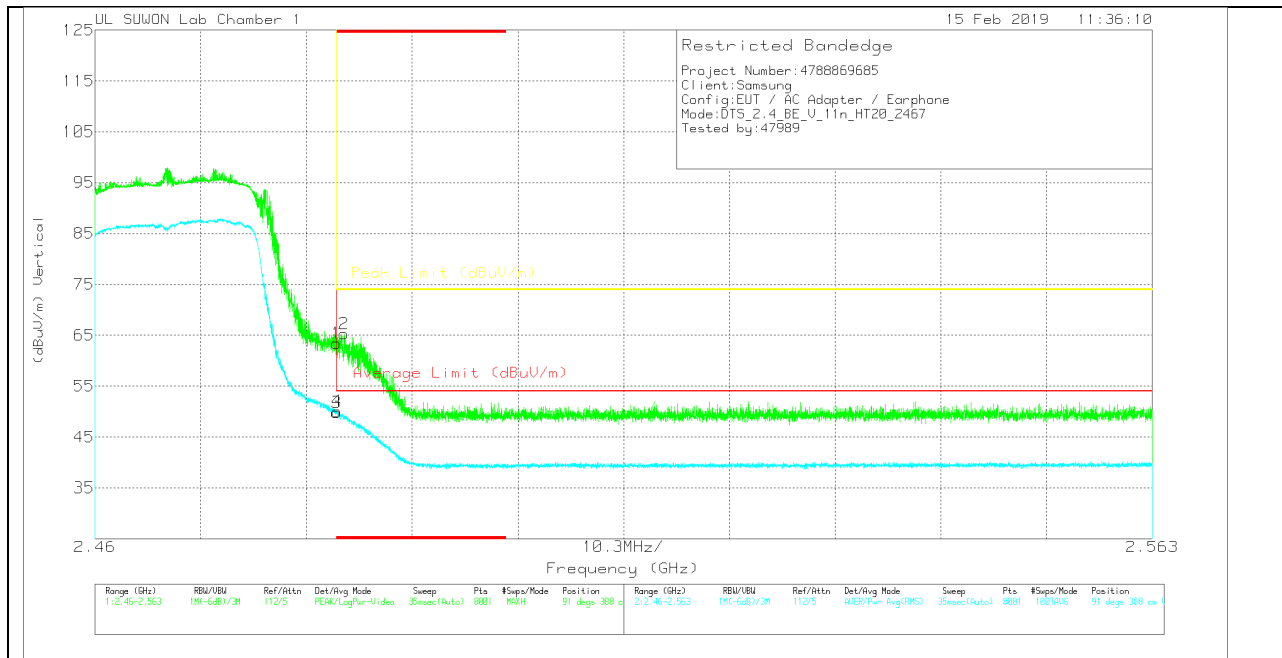
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 56.67 | Pk | 31.9 | -25.3 | 0 | 63.27 | - | - | 74 | -10.73 | 205 | 366 | H |
| 2 | * 2.484 | 60.66 | Pk | 31.9 | -25.3 | 0 | 67.26 | - | - | 74 | -6.74 | 205 | 366 | H |
| 3 | * 2.484 | 44.13 | RMS | 31.9 | -25.3 | .17 | 50.90 | 54 | -3.10 | - | - | 205 | 366 | H |
| 4 | * 2.484 | 44.54 | RMS | 31.9 | -25.3 | .17 | 51.31 | 54 | -2.69 | - | - | 205 | 366 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Deg) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|---------------|-------------|----------|
| 1 | * 2.484 | 56.81 | Pk | 31.9 | -25.3 | 0 | 63.41 | - | - | 74 | -10.59 | 91 | 388 | V |
| 2 | * 2.484 | 58.69 | Pk | 31.9 | -25.3 | 0 | 65.29 | - | - | 74 | -8.71 | 91 | 388 | V |
| 3 | * 2.484 | 43.08 | RMS | 31.9 | -25.3 | .17 | 49.85 | 54 | -4.15 | - | - | 91 | 388 | V |
| 4 | * 2.484 | 43.25 | RMS | 31.9 | -25.3 | .17 | 50.02 | 54 | -3.98 | - | - | 91 | 388 | V |

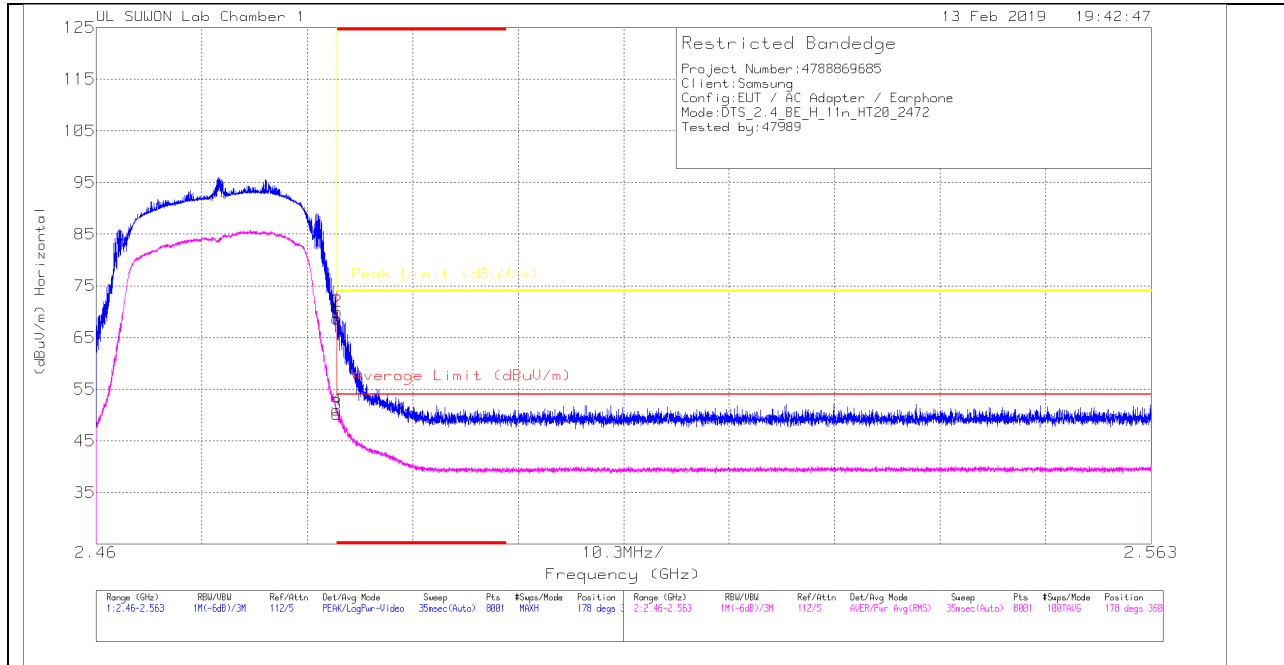
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

AUTHORIZED BANDEDGE (13 CHANNEL)

HORIZONTAL PEAK AND AVERAGE PLOT



HORIZONTAL DATA

Trace Markers

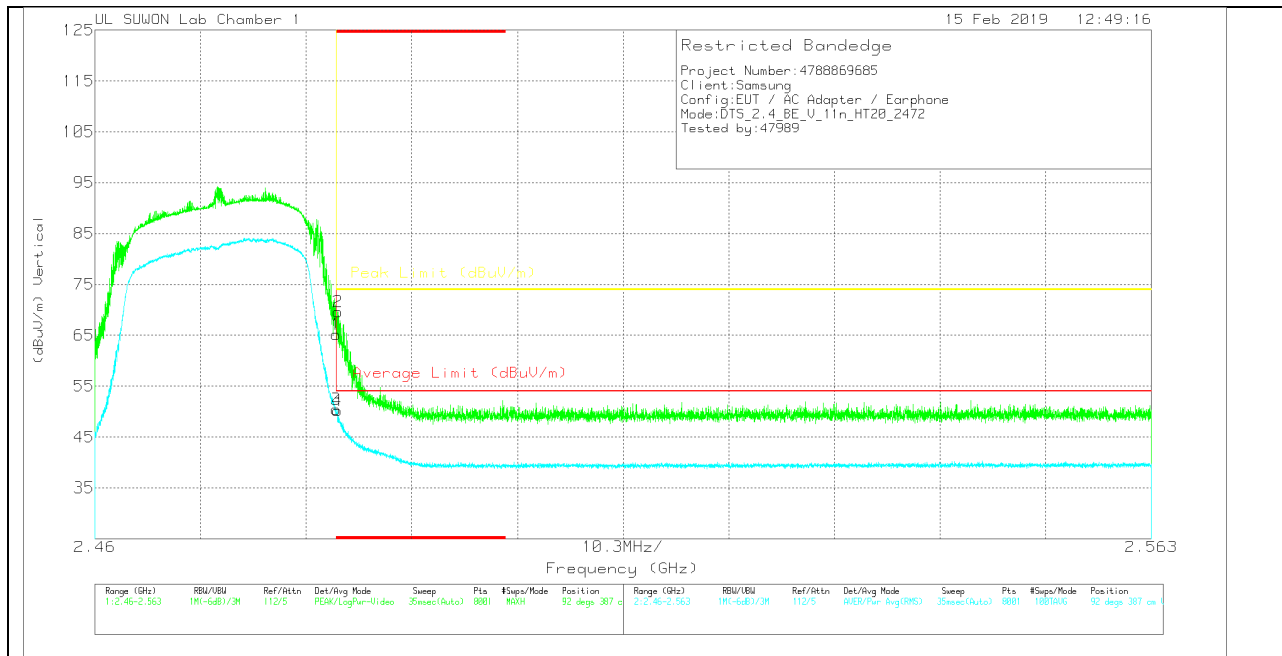
| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|----------------|-------------|----------|
| 1 | * 2.484 | 62.04 | Pk | 31.9 | -25.3 | 0 | 68.64 | - | - | 74 | -5.36 | 178 | 360 | H |
| 2 | * 2.484 | 63.41 | Pk | 31.9 | -25.3 | 0 | 70.01 | - | - | 74 | -3.99 | 178 | 360 | H |
| 3 | * 2.484 | 43.43 | RMS | 31.9 | -25.3 | .17 | 50.2 | 54 | -3.8 | - | - | 178 | 360 | H |
| 4 | * 2.484 | 44.21 | RMS | 31.9 | -25.3 | .17 | 50.98 | 54 | -3.02 | - | - | 178 | 360 | H |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

RMS - RMS detection

VERTICAL PEAK AND AVERAGE PLOT



VERTICAL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 10dB(dB) | DC Corr (dB) | Corrected Reading (dBuV/m) | Average Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | PK Margin (dB) | Azimuth (Deg) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|----------|--------------|----------------------------|------------------------|-------------|---------------------|----------------|---------------|-------------|----------|
| 1 | * 2.484 | 58.61 | Pk | 31.9 | -25.3 | 0 | 65.21 | - | - | 74 | -8.79 | 92 | 387 | V |
| 2 | * 2.484 | 63.06 | Pk | 31.9 | -25.3 | 0 | 69.66 | - | - | 74 | -4.34 | 92 | 387 | V |
| 3 | * 2.484 | 43.67 | RMS | 31.9 | -25.3 | .17 | 50.44 | 54 | -3.56 | - | - | 92 | 387 | V |
| 4 | * 2.484 | 43.47 | RMS | 31.9 | -25.3 | .17 | 50.24 | 54 | -3.76 | - | - | 92 | 387 | V |

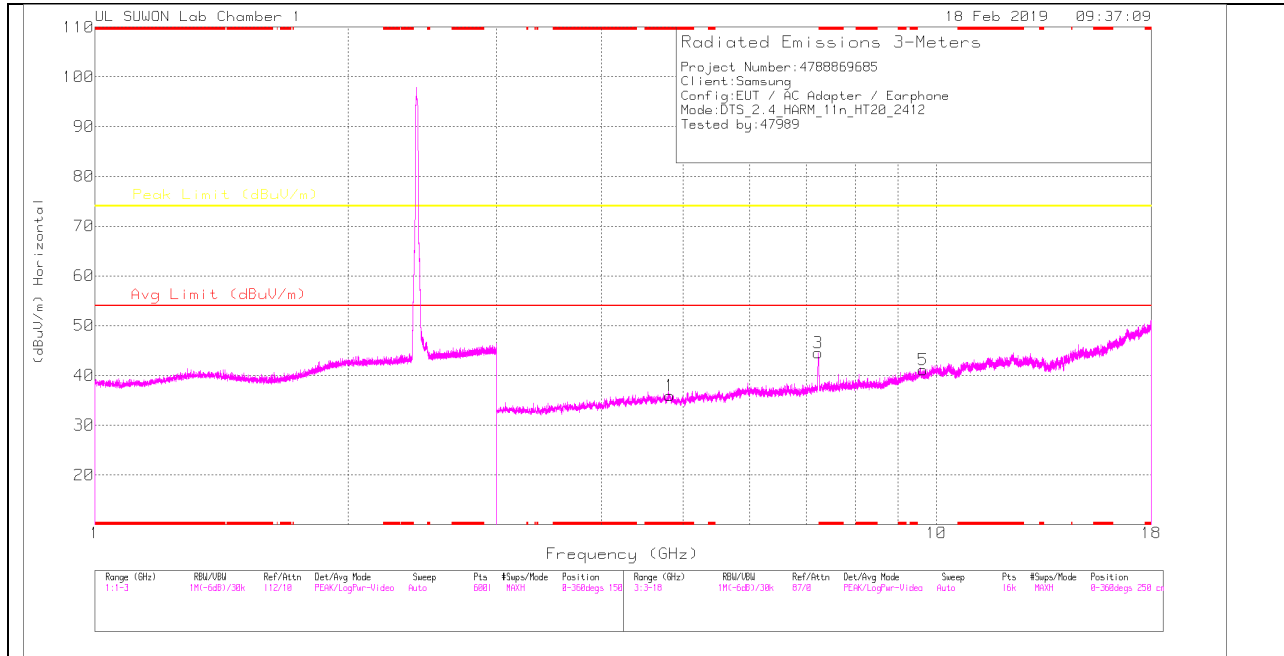
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

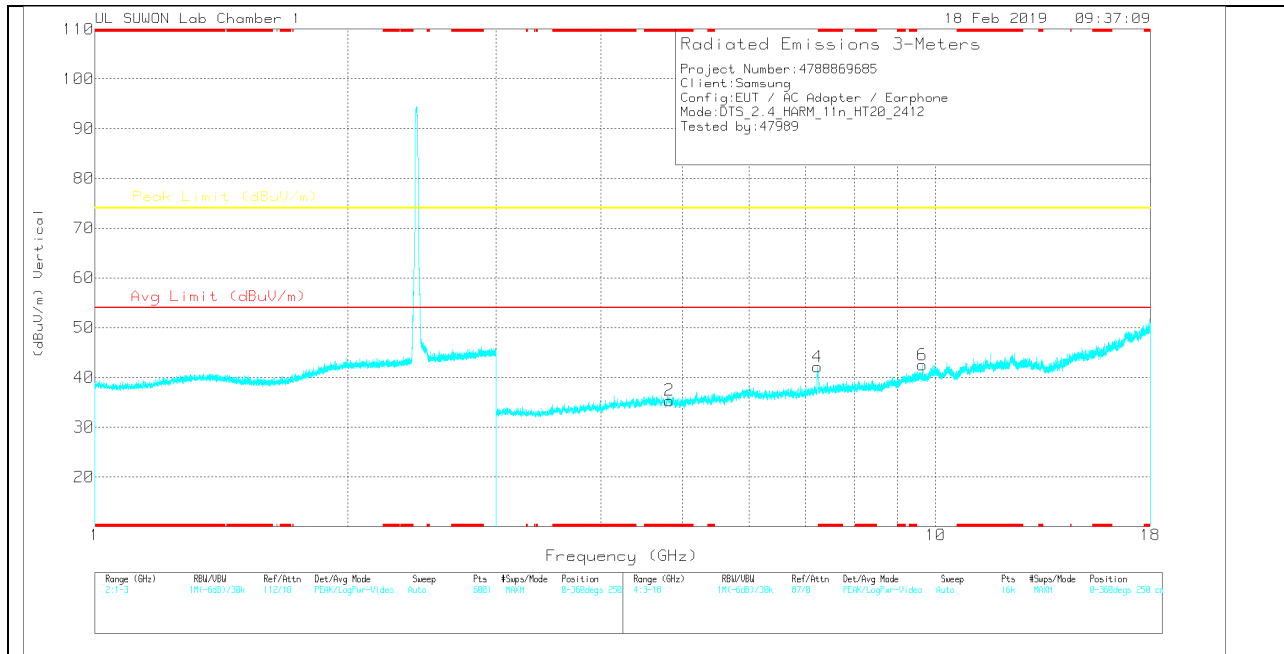
RMS - RMS detection

HARMONICS AND SPURIOUS EMISSIONS

1 CHANNEL HORIZONTAL



1 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

1 CHANNEL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1 | * 4.824 | 33.12 | PK | 34.2 | -31.4 | 0 | 35.92 | - | - | 74 | -38.08 | 0-360 | 150 | H |
| 3 | 7.238 | 36.55 | PK | 35.8 | -27.8 | 0 | 44.55 | - | - | 74 | -29.45 | 0-360 | 150 | H |
| 5 | 9.647 | 27.3 | PK | 37.1 | -23.3 | 0 | 41.1 | - | - | 74 | -32.9 | 0-360 | 150 | H |
| 2 | * 4.824 | 32.57 | PK | 34.2 | -31.4 | 0 | 35.37 | - | - | 74 | -38.63 | 0-360 | 250 | V |
| 4 | 7.239 | 34.25 | PK | 35.8 | -27.9 | 0 | 42.15 | - | - | 74 | -31.85 | 0-360 | 250 | V |
| 6 | 9.648 | 28.7 | PK | 37.1 | -23.3 | 0 | 42.5 | - | - | 74 | -31.5 | 0-360 | 250 | V |

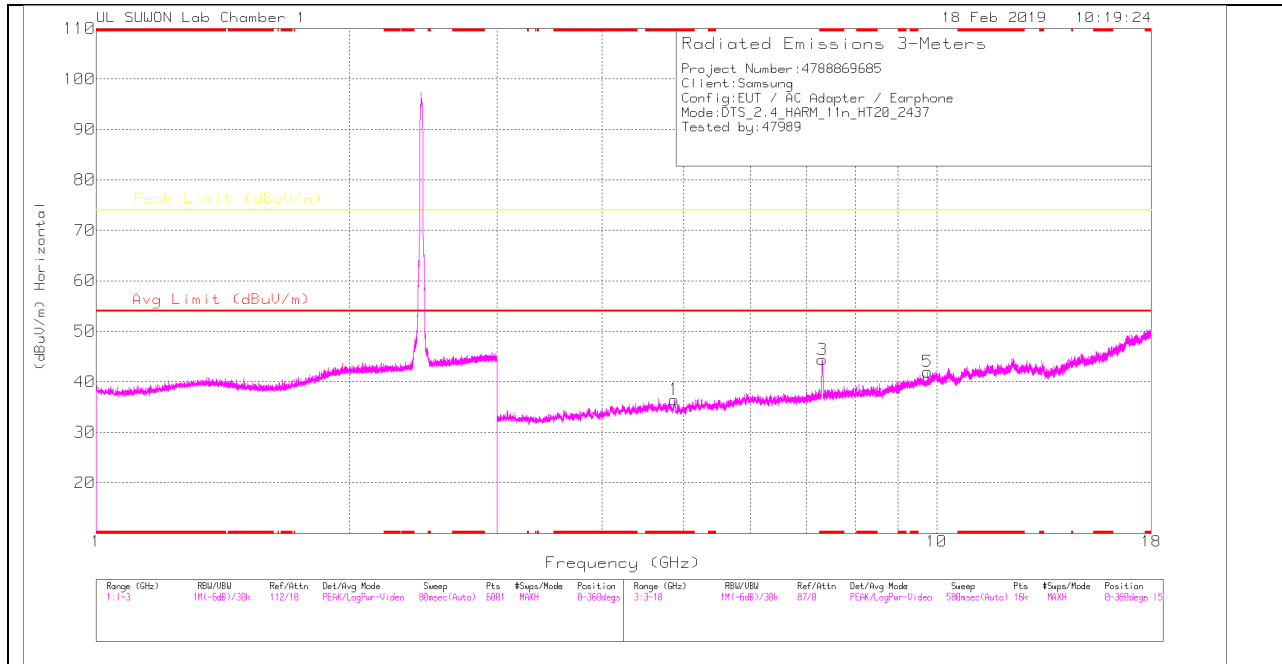
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

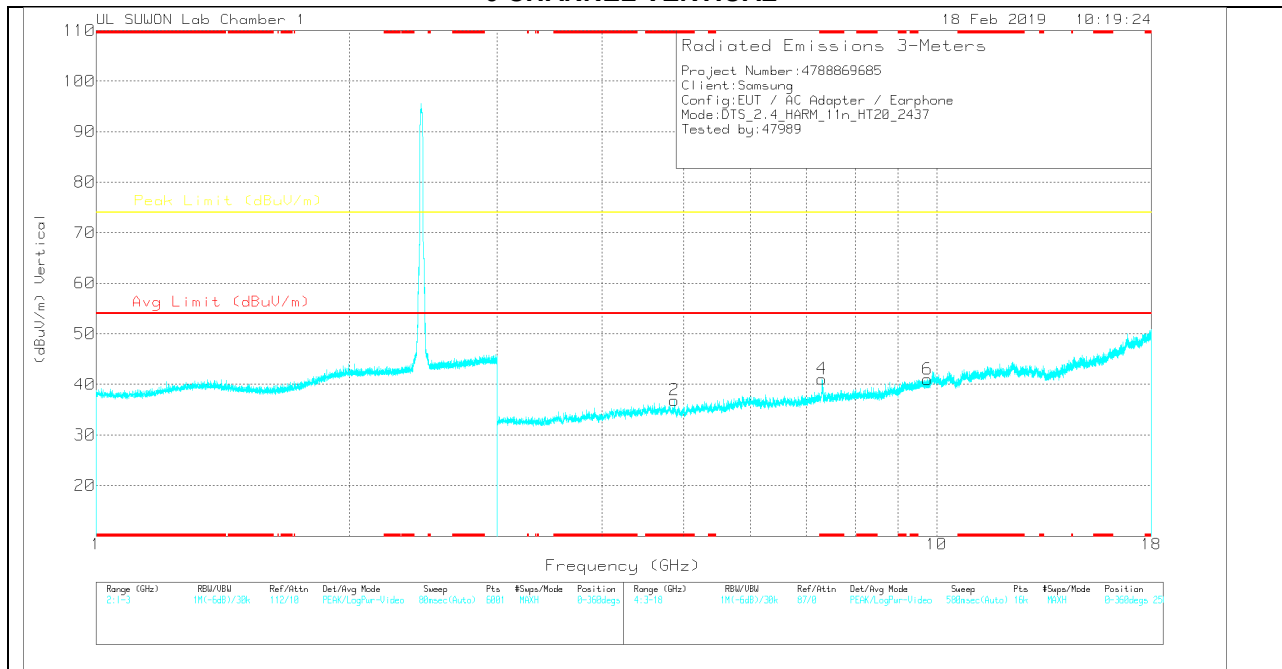
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|-----|---------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 7.238 | 49.25 | PK2 | 35.8 | -27.8 | 0 | 57.25 | - | - | 74 | -16.75 | 161 | 100 | H |
| 7.237 | 44.87 | PK2 | 35.8 | -27.8 | 0 | 52.87 | - | - | 74 | -21.13 | 156 | 151 | V |
| 9.648 | 37.01 | PK2 | 37.1 | -23.3 | 0 | 50.81 | - | - | 74 | -23.19 | 111 | 119 | H |
| 9.648 | 36.95 | PK2 | 37.1 | -23.3 | 0 | 50.75 | - | - | 74 | -23.25 | 83 | 100 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak

6 CHANNEL HORIZONTAL



6 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

6 CHANNEL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1 | * 4.875 | 33.77 | PK | 34.2 | -31.5 | 0 | 36.47 | - | - | 74 | -37.53 | 0-360 | 250 | H |
| 3 | * 7.31 | 36.09 | PK | 35.8 | -27.5 | 0 | 44.39 | - | - | 74 | -29.61 | 0-360 | 150 | H |
| 5 | 9.748 | 28.68 | PK | 37.2 | -23.9 | 0 | 41.98 | - | - | 74 | -32.02 | 0-360 | 250 | H |
| 2 | * 4.876 | 34.17 | PK | 34.2 | -31.5 | 0 | 36.87 | - | - | 74 | -37.13 | 0-360 | 150 | V |
| 4 | * 7.307 | 32.78 | PK | 35.8 | -27.5 | 0 | 41.08 | - | - | 74 | -32.92 | 0-360 | 250 | V |
| 6 | 9.748 | 27.7 | PK | 37.2 | -23.9 | 0 | 41 | - | - | 74 | -33 | 0-360 | 150 | V |

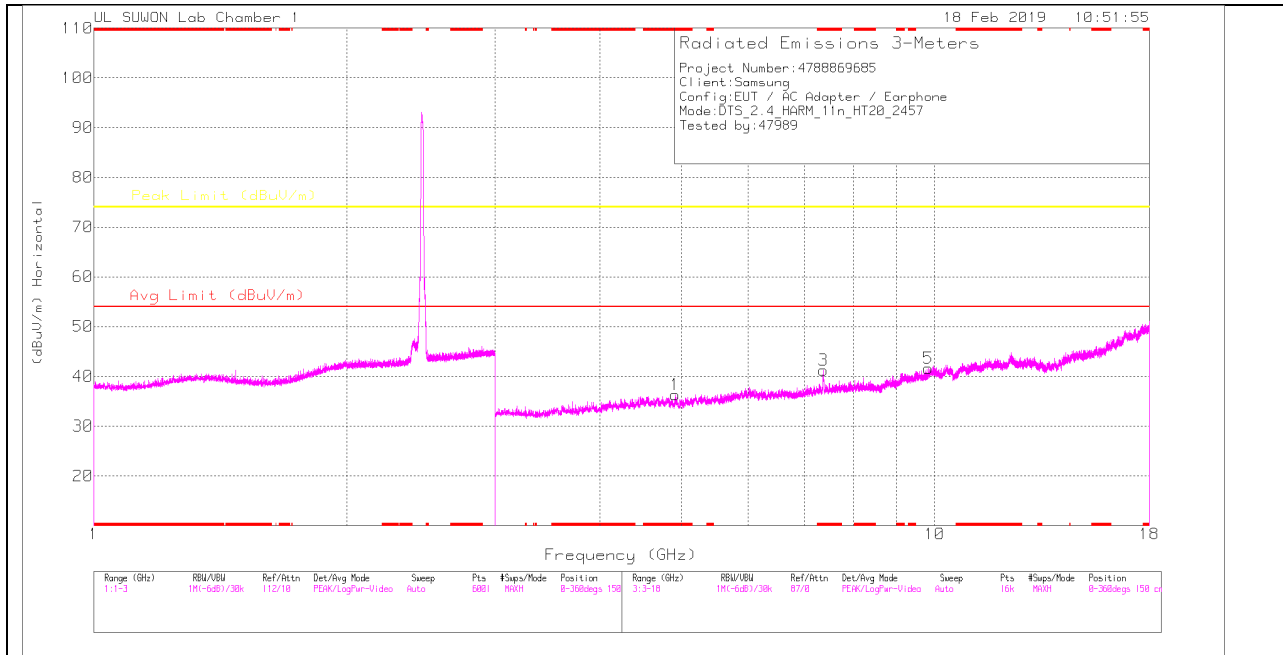
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

Radiated Emissions

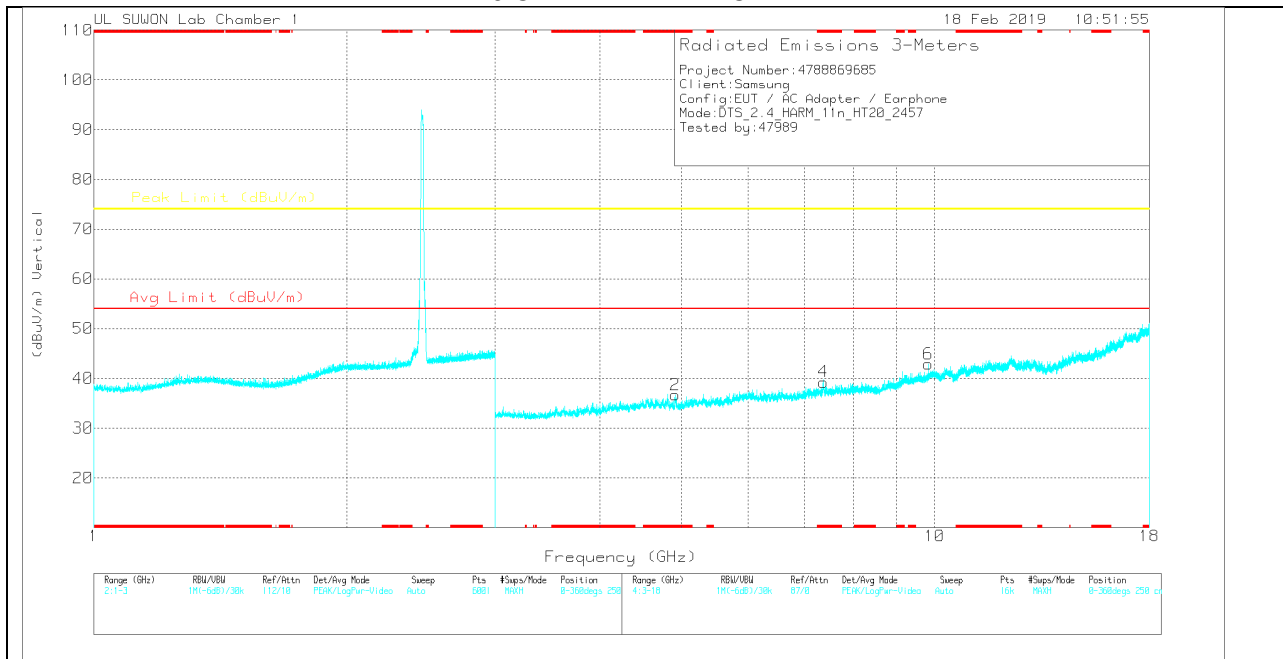
| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|---------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 7.312 | 48.97 | PK2 | 35.8 | -27.4 | 0 | 57.37 | - | - | 74 | -16.63 | 161 | 111 | H |
| * 7.31 | 35.4 | MAv1 | 35.8 | -27.4 | .17 | 43.97 | 54 | -10.03 | - | - | 161 | 111 | H |
| * 7.31 | 45.25 | PK2 | 35.8 | -27.5 | 0 | 53.55 | - | - | 74 | -20.45 | 129 | 117 | V |
| * 7.308 | 31.28 | MAv1 | 35.8 | -27.5 | .17 | 39.75 | 54 | -14.25 | - | - | 129 | 117 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

10 CHANNEL HORIZONTAL



10 CHANNEL VERTICAL



Note: Emission was scanned up to 26GHz; No emissions were detected above the noise floor which was at least 20dB below the specification limit.

10 CHANNEL DATA

Trace Markers

| Marker | Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|---------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| 1 | * 4.917 | 33.62 | PK | 34.2 | -31.5 | 0 | 36.32 | - | - | 74 | -37.68 | 0-360 | 250 | H |
| 3 | * 7.375 | 32.41 | PK | 35.8 | -27 | 0 | 41.21 | - | - | 74 | -32.79 | 0-360 | 150 | H |
| 5 | 9.828 | 27.66 | PK | 37.4 | -23.4 | 0 | 41.66 | - | - | 74 | -32.34 | 0-360 | 150 | H |
| 2 | * 4.911 | 34 | PK | 34.2 | -31.5 | 0 | 36.7 | - | - | 74 | -37.3 | 0-360 | 150 | V |
| 4 | * 7.376 | 30.49 | PK | 35.8 | -27 | 0 | 39.29 | - | - | 74 | -34.71 | 0-360 | 250 | V |
| 6 | 9.828 | 28.85 | PK | 37.4 | -23.4 | 0 | 42.85 | - | - | 74 | -31.15 | 0-360 | 250 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK – Peak Detector

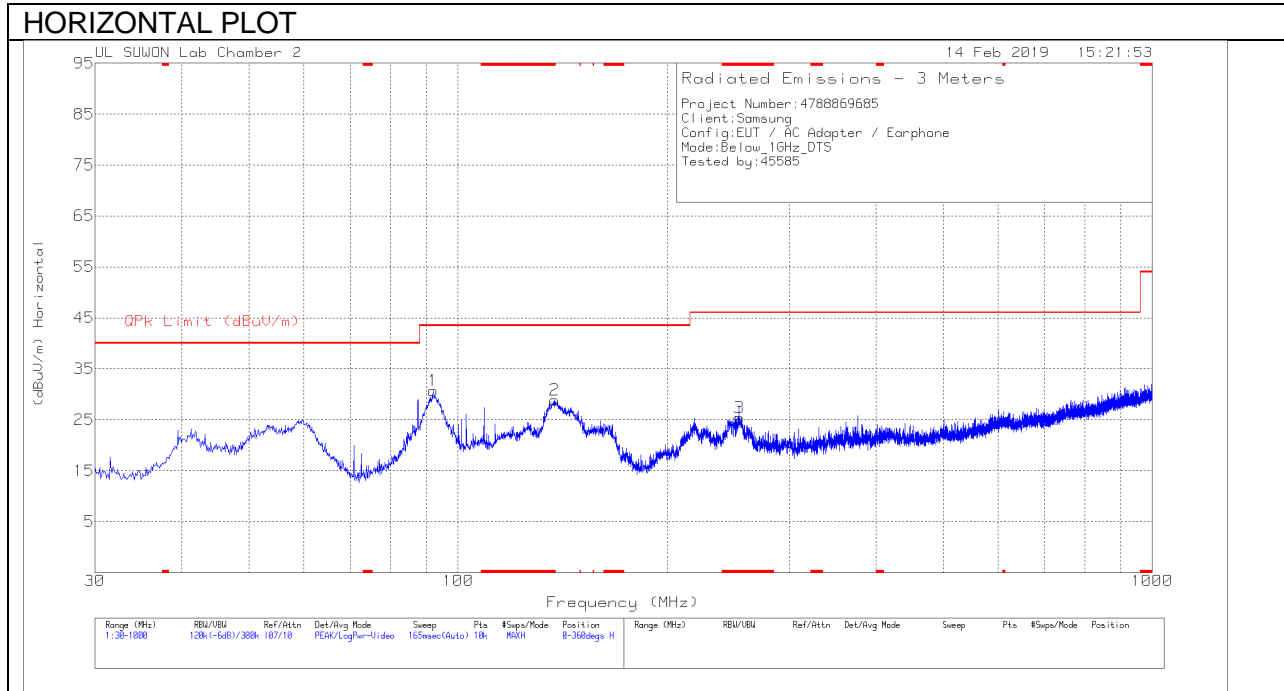
Radiated Emissions

| Frequency (GHz) | Meter Reading (dBuV) | Det | 3117_00168717 | 3GHz_HP[dB] | DC Corr (dB) | Corrected Reading (dBuV/m) | Avg Limit (dBuV/m) | Margin (dB) | Peak Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|-----------------|----------------------|------|---------------|-------------|--------------|----------------------------|--------------------|-------------|---------------------|-------------|----------------|-------------|----------|
| * 7.371 | 45.91 | PK2 | 35.8 | -27 | 0 | 54.71 | - | - | 74 | -19.29 | 162 | 106 | H |
| * 7.369 | 31.24 | MAv1 | 35.8 | -27 | .17 | 40.21 | 54 | -13.79 | - | - | 162 | 106 | H |
| * 7.365 | 41.3 | PK2 | 35.8 | -27 | 0 | 50.1 | - | - | 74 | -23.9 | 123 | 144 | V |
| * 7.367 | 27.96 | MAv1 | 35.8 | -27 | .17 | 36.93 | 54 | -17.07 | - | - | 123 | 144 | V |
| 9.828 | 37.74 | PK2 | 37.4 | -23.4 | 0 | 51.74 | - | - | 74 | -22.26 | 118 | 100 | H |
| 9.828 | 36.16 | PK2 | 37.4 | -23.4 | 0 | 50.16 | - | - | 74 | -23.84 | 95 | 117 | V |

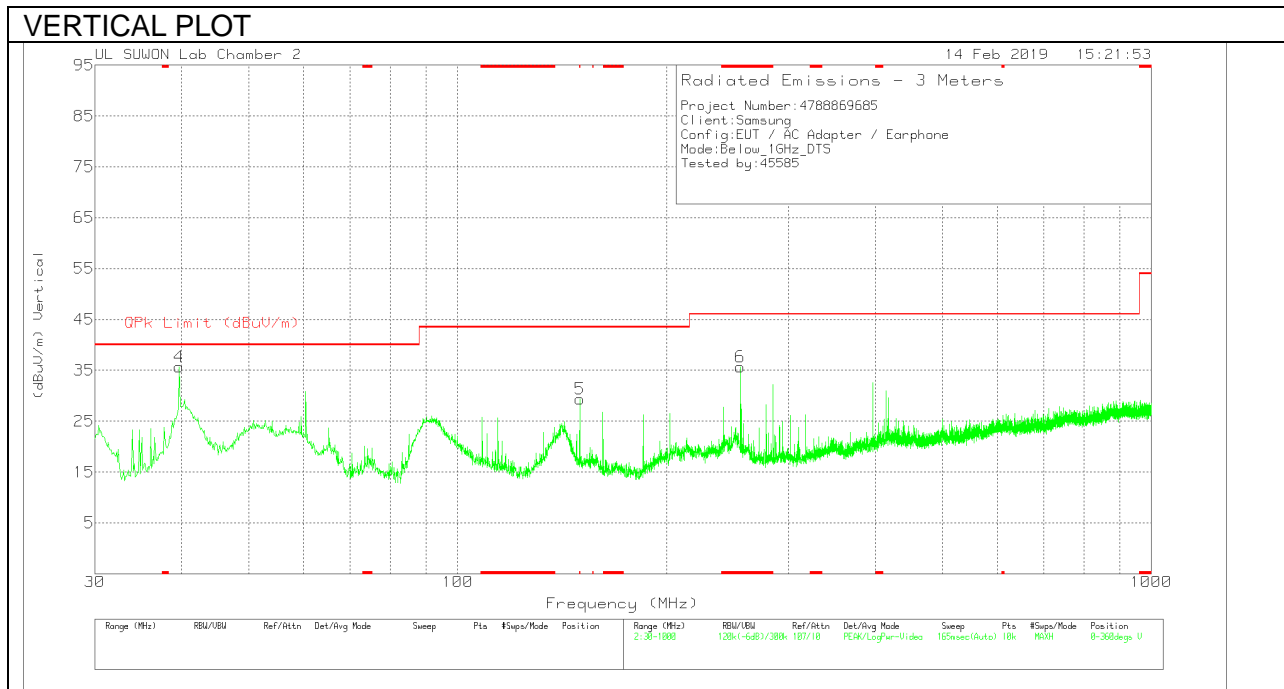
* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band
 PK2 - KDB558074 Method: Maximum Peak
 MAv1 - KDB558074 Option 1 Maximum RMS Average

11.3. WORST-CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL)



SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, VERTICAL)



Below 1G Data

Trace Markers

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | VULB9163_749 | Below_1G[dB] | Corrected Reading (dBuV/m) | QPk Limit (dBuV/m) | Margin (dB) | Azimuth (Degs) | Height (cm) | Polarity |
|--------|-----------------|----------------------|-----|--------------|--------------|----------------------------|--------------------|-------------|----------------|-------------|----------|
| 1 | 92.08 | 45.81 | Pk | 16.4 | -31.5 | 30.71 | 43.52 | -12.81 | 0-360 | 200 | H |
| 2 | * 137.767 | 45.91 | Pk | 14.1 | -31.2 | 28.81 | 43.52 | -14.71 | 0-360 | 200 | H |
| 3 | * 254.167 | 36.76 | Pk | 19.2 | -30.6 | 25.36 | 46.02 | -20.66 | 0-360 | 100 | H |
| 4 | 39.7 | 48.93 | Pk | 18.6 | -31.9 | 35.63 | 40 | -4.37 | 0-360 | 100 | V |
| 5 | * 149.989 | 46.46 | Pk | 14.1 | -31.2 | 29.36 | 43.52 | -14.16 | 0-360 | 100 | V |
| 6 | * 255.525 | 47.2 | Pk | 19.1 | -30.6 | 35.7 | 46.02 | -10.32 | 0-360 | 100 | V |

* - indicates frequency in CFR47 Pt 15 / IC RSS-Restricted Band

Pk - Peak detector

12. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)
IC RSS-GEN Clause 8.8

| Frequency of Emission (MHz) | Conducted Limit (dBuV) | |
|-----------------------------|------------------------|----------|
| | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56 | 56 to 46 |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

*Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

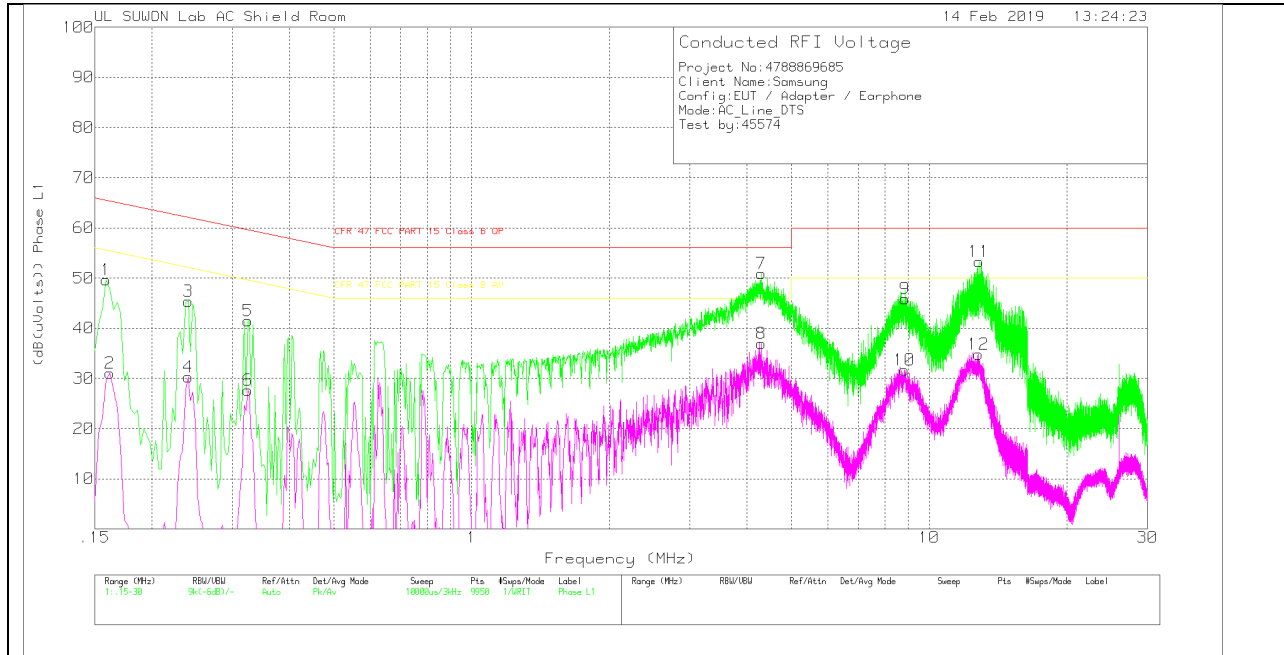
The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise Vnoted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

WORST EMISSIONS

LINE 1 PLOT



LINE 1 RESULTS

Range 1: Phase L1 .15 - 30MHz

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | ENV216_10183 6_With ex-cord_L1 | CABLELOSS(dB) | Corrected Reading (dB(uVolts)) | CFR 47 FCC PART 15 Class B QP | Margin (dB) | CFR 47 FCC PART 15 Class B AV | Margin (dB) |
|--------|-----------------|----------------------|-----|--------------------------------|---------------|--------------------------------|-------------------------------|-------------|-------------------------------|-------------|
| 1 | .159 | 39.66 | Pk | 9.9 | .1 | 49.66 | 65.52 | -15.86 | - | - |
| 2 | .162 | 20.91 | Av | 10 | .1 | 31.01 | - | - | 55.36 | -24.35 |
| 3 | .24 | 35.52 | Pk | 9.7 | .2 | 45.42 | 62.1 | -16.68 | - | - |
| 4 | .24 | 20.41 | Av | 9.7 | .2 | 30.31 | - | - | 52.1 | -21.79 |
| 5 | .324 | 31.53 | Pk | 9.8 | .2 | 41.53 | 59.6 | -18.07 | - | - |
| 6 | .324 | 17.63 | Av | 9.8 | .2 | 27.63 | - | - | 49.6 | -21.97 |
| 7 | 4.299 | 40.78 | Pk | 9.8 | .3 | 50.88 | 56 | -5.12 | - | - |
| 8 | 4.293 | 26.9 | Av | 9.8 | .3 | 37 | - | - | 46 | -9 |
| 9 | 8.853 | 35.51 | Pk | 10 | .4 | 45.91 | 60 | -14.09 | - | - |
| 10 | 8.817 | 21.24 | Av | 10 | .4 | 31.64 | - | - | 50 | -18.36 |
| 11 | 12.834 | 42.84 | Pk | 10.1 | .4 | 53.34 | 60 | -6.66 | - | - |
| 12 | 12.81 | 24.33 | Av | 10.1 | .4 | 34.83 | - | - | 50 | -15.17 |

Pk - Peak detector

Av - Average detection

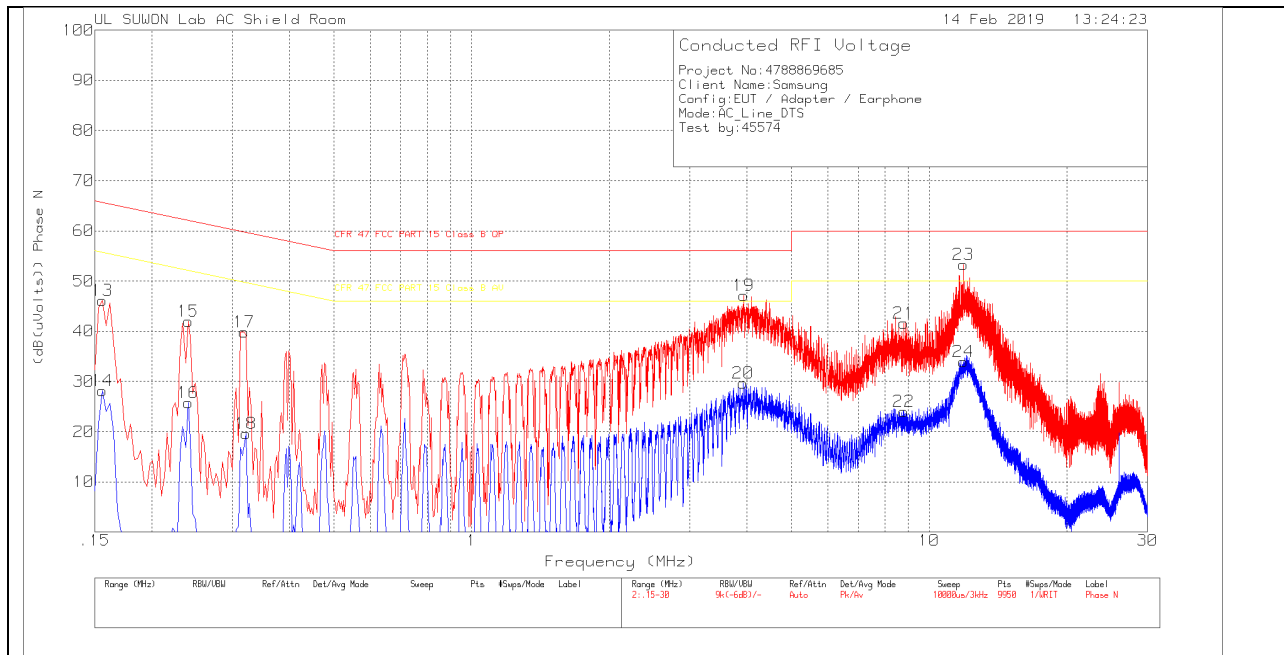
Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

| Frequency (MHz) | Meter Reading (dBuV) | Det | ENV216_101836 _With ex-cord_L1 | CABLELOSS(dB) | Corrected Reading (dB(uVolts)) | CFR 47 FCC PART 15 Class B QP | Margin (dB) | CFR 47 FCC PART 15 Class B AV | Margin (dB) |
|-----------------|----------------------|-----|--------------------------------|---------------|--------------------------------|-------------------------------|-------------|-------------------------------|-------------|
| 4.29975 | 30.87 | Qp | 9.8 | .3 | 40.97 | 56 | -15.03 | - | - |
| 12.8342 | 31.21 | Qp | 10.1 | .4 | 41.71 | 60 | -18.29 | - | - |

Qp - Quasi-Peak detector

LINE 2 PLOT



LINE 2 RESULTS

Range 2: Phase N .15 - 30MHz

| Marker | Frequency (MHz) | Meter Reading (dBuV) | Det | ENV216_10183 6_With ex-cord_N | CABLELOSS(dB) | Corrected Reading (dB(uVolts)) | CFR 47 FCC PART 15 Class B QP | Margin (dB) | CFR 47 FCC PART 15 Class B AV | Margin (dB) |
|--------|-----------------|----------------------|-----|-------------------------------|---------------|--------------------------------|-------------------------------|-------------|-------------------------------|-------------|
| 13 | .156 | 36.26 | Pk | 9.8 | .1 | 46.16 | 65.67 | -19.51 | - | - |
| 14 | .156 | 18.32 | Av | 9.8 | .1 | 28.22 | - | - | 55.67 | -27.45 |
| 15 | .24 | 32.09 | Pk | 9.7 | .2 | 41.99 | 62.1 | -20.11 | - | - |
| 16 | .24 | 15.84 | Av | 9.7 | .2 | 25.74 | - | - | 52.1 | -26.36 |
| 17 | .318 | 29.86 | Pk | 9.8 | .2 | 39.86 | 59.76 | -19.9 | - | - |
| 18 | .321 | 9.64 | Av | 9.8 | .2 | 19.64 | - | - | 49.68 | -30.04 |
| 19 | 3.93 | 37.06 | Pk | 9.8 | .3 | 47.16 | 56 | -8.84 | - | - |
| 20 | 3.915 | 19.59 | Av | 9.8 | .3 | 29.69 | - | - | 46 | -16.31 |
| 21 | 8.808 | 31.34 | Pk | 9.9 | .4 | 41.64 | 60 | -18.36 | - | - |
| 22 | 8.799 | 13.75 | Av | 9.9 | .4 | 24.05 | - | - | 50 | -25.95 |
| 23 | 11.874 | 42.9 | Pk | 10.1 | .3 | 53.3 | 60 | -6.7 | - | - |
| 24 | 11.874 | 23.53 | Av | 10.1 | .3 | 33.93 | - | - | 50 | -16.07 |

Pk - Peak detector

Av - Average detection

Quasi-Peak Emissions

Range 2: Phase N .15 - 30MHz

| Frequency (MHz) | Meter Reading (dBuV) | Det | ENV216_101836 _With ex-cord_N | CABLELOSS(dB) | Corrected Reading (dB(uVolts)) | CFR 47 FCC PART 15 Class B QP | Margin (dB) | CFR 47 FCC PART 15 Class B AV | Margin (dB) |
|-----------------|----------------------|-----|-------------------------------|---------------|--------------------------------|-------------------------------|-------------|-------------------------------|-------------|
| 3.93075 | 31.76 | Qp | 9.8 | .3 | 41.86 | 56 | -14.14 | - | - |
| 11.8733 | 33.94 | Qp | 10.1 | .3 | 44.34 | 60 | -15.66 | - | - |

Qp - Quasi-Peak detector